ROBERT H. PETERSON CO.

Real Fyre®

Hand-Crafted Gas Logs Since 1949

Owner's Manual

FPB55-24/30(P)
FPB55-24/30-11(M)(P)
FPB55-24/30-15(M)(P)

Tested & Listed By O-T-L Beaverton Oregon USA
C US
OMNI-Test Laboratories, Inc.

DESIGN CERTIFIED
to
Vented Decorative Appliance
ANSI Z21.60b-2004

FPB 55 SERIES VENTED GAS LOG SETS
FOR NATURAL OR PROPANE GAS

WARNING

If the information in this manual is not followed exactly, a fire or explosion may result, causing property damage, personal injury, or loss of life.

Do not store or use gasoline or other flammable vapors and liquids in the vicinity of this or any other appliance.

WHAT TO DO IF YOU SMELL GAS

- Open a window.
- Do not try to light any appliance.
- Do not touch any electrical switch; do not use any phone in your building.
- Immediately call your gas supplier from a neighbor's phone and follow the gas supplier's instructions.
- If you cannot reach your gas supplier, call the fire department.

Installation and service must be performed by an NFI Certified or other qualified professional installer, service agency, or the gas supplier.

IMPORTANT: READ THESE INSTRUCTIONS CAREFULLY BEFORE STARTING INSTALLATION OF THE LOG SET.

This burner system is to be installed only in a solid-fuel-burning fireplace with a working flue and constructed of noncombustible material. Solid fuels shall not be burned in a fireplace where this gas log set is installed. The installation, including provisions for combustion, ventilation air, and required minimum permanent vent opening, must conform with the *National Fuel Gas Code (ANSI Z223.1/NFPA 54)* and applicable local building codes. In Canada, the installation must conform with the *Natural Gas and Propane Storage and Handling Installation Code (CSA-B149.1).* A damper clamp is included to maintain the minimum permanent vent opening and to prevent full closure of the damper blade. **The chimney damper should be fully opened when burning the log set. The log set is designed to burn with yellow flames; thus, adequate ventilation is absolutely necessary.**

INSTALLER & CONSUMER:
These instructions MUST be retained with this appliance.

Important: For safe operation and proper performance of this product and to comply with certification, listings, and building code acceptances, use ONLY Peterson Real-Fyre® controls, parts, and accessories that have been specifically listed or certified for use with this burner system. Use of other controls, parts, or accessories is prohibited and will void all warranties, certifications, listings, and building code approvals, and may cause property damage, personal injury, and loss of life.

ROBERT H. PETERSON CO.

manuel des proprietaires

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CONCEPTION CERTIFIÉE
à
Vented Decorative Appliance
ANSI Z21.60b-2004

SÉRIE FPB55 A EXHALÉ DES ENSEMBLES DE NOTATION DE GAZ

AVERTISSEMENT: Si les informations dans ce manuel ne sont pas suivies exactement, un feu ou explosion peut résulter cause propriété endommage, blessure personnelle ou perte de vie.

Ne mettez pas en réserve ou utilisez de l'essence ou autre vapeurs inflammables et liquides dans le voisinage de celui-ci ou tout autre appareil.

CE QUI Faire Si VOUS avez SENTI le GAZ

- n'essaie pas d'allumer de l'appareil.
- ne touche pas de changement électrique; ne utilisez pas du téléphone dans votre bâtiment.
- appelle Immédiatement votre fournisseur du gaz du téléphone d'un voisin et suit les directives des fournisseur du gaz.
- Si vous ne pouvez pas atteindre votre fournisseur du gaz, appelle le département du feu.

Installation et service doivent être exécutées par un [installer] qualifié agence du service ou le fournisseur du gaz.

IMPORTANT: LISEZ CES DIRECTIVES AVANT AVEC SOIN de COMMENCER INSTALLATION De VOTRE GROSSE BUCHE a MIS

Ce système de brûleur doit être installée seulement dans une cheminée debrûlure avec une conduite de cheminée fonctionnante et être construit avec du matériel non-combustible. Combustibles solides ne seront pas brûlaient dans une cheminée où un gaz tronçonne l'ensemble est installé. Le minimum permanent décharge l'ouverture a fourni par la cheminée de la cheminée ou cheminée plus humide décharger les produits du [flue] est inscrit sur. La cheminée plus humide doit être arrangé maintenir dans une manière le minimum permanent décharge l'ouverture. L'installation, y compris des dispositions pour la combustion, air de ventilation, et ouverture permanente minimum exigée de passage, doit se conformer au *code national de gaz de carburant (norme ANSI Z223.1/NFPA 54) et aux codes de bâtiment locaux applicables.* Au Canada l'installation doit conformer avec le courant PEUT/ CGA B149.1 et B149.2 Installation Code. La Douche froide de cheminée devrait être ouverte pleinement quand brûler l'ensemble du journal. Votre ensemble du journal est conçu pour brûler avec les flammes du jaune; donc la ventilation adéquate est absolument nécessaire.

INSTALLATEUR & CONSOMMATEUR: Ces directives doivent être retenues avec cet appareil

IMPORTANT: Pour se conformer à la certification, les listes et les acceptations de code de bâtiment, et pour l'exploitation sûre et l'exécution appropriée de cet ensemble de notation, utilisent SEULEMENT de Real-Fyre® pièces et accessoires de Peterson. L'utilisation d'autres commandes, pièces, ou accessoires qui ne sont pas approuvés pour l'usage avec de Real-Fyre® ensembles de notation de gaz est interdite et videra toutes les garanties, certifications, listes, et approbations de code de bâtiment, et peut causer des dégats matériels, des blessures, ou la perte de la vie.

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GENERAL INFORMATION

The Real-Fyre® FPB55 Series gas log sets are available with a variable flame height control valve that can be used with an optional on/off remote transmitter and receiver.

A spark ignition system (piezo) allows the gas pilot to be lit without the use of matches and permits the operation of the appliance during a power outage.

This log set has been certified to:

VENTED DECORATIVE APPLIANCE-ANSI Z21.60b-2004

APPROVED INSTALLATIONS

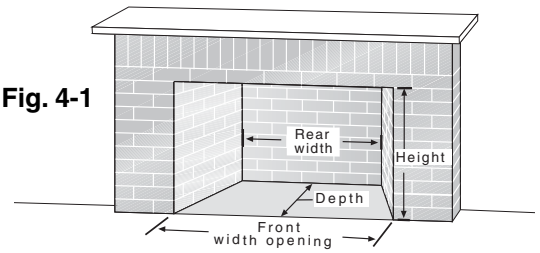
Subject to minimum fireplace size requirements specified below:

Solid-fuel-burning fireplaces;

A. Prefabricated fireplaces listed to UL-127

B. All other masonry fireplaces

Fig. 4-1



Fireplace dimensions

Important: For safe operation and proper performance of this product and to comply with certification, listings, and building code acceptances, use ONLY Peterson Real-Fyre® controls, parts, and accessories that have been specifically listed or certified for use with this burner system. Use of other controls, parts, or accessories is prohibited and will void all warranties, certifications, listings, and building code approvals, and may cause property damage, personal injury, and loss of life.

FIREPLACE SIZE REQUIREMENTS & BTU RATING INFORMATION

The **minimum size** of fireplace (see Fig. 4-1) for installation of Real-Fyre® FPB55 Series vented gas log set:

Gas type	Burner model	Log set size	Minimum fireplace size			Nominal BTU rating	
			Width	Depth	Height	Low variable setting	High variable setting
Natural gas	**FPB55-24/30 FPB55-24/30-11 FPB55-24/30-15**	24" sets	30" front 20" rear	14"	18"	22,000 to 55,000	
		30" sets	35" front 20" rear	14"	18"	22,000 to 55,000	
Propane gas	**FPB55-24/30P FPB55-24/30-11P FPB55-24/30-15P**	24" sets	30" front 20" rear	14"	18"	22,000 to 55,000	
		30" sets	35" front 20" rear	14"	18"	22,000 to 55,000	

This unit (FPB55 gas log set) MUST NOT be placed in a fireplace with ANY dimension smaller than the minimum fireplace size shown above. It is CRITICAL that the installer ensures that the fireplace complies with the minimum sizes above (front & rear widths, depth & height).

IMPORTANT INFORMATION

Do not use this log set if any part has been underwater. Immediately call a qualified professional service technician to inspect the appliance and to replace any part of the control system and any gas control that has been underwater.

The gas log set must be isolated from the gas-supply piping system by closing its individual shutoff valve during any pressure testing of the gas-supply system at test pressures equal to or less than $^1/_2$ psig. The gas log set and its individual shutoff valve must be disconnected from the gas-supply piping system when testing at pressures in excess of $^1/_2$ psig.

Keep the area of the gas log set clear and free from combustible materials, gasoline, and other flammable vapors and liquids.

MAINTENANCE: Periodically remove the logs and examine the burner assembly. If dirty, clean with a stiff brush. Also examine the area around burner and pilot. Any dirt or lint in this area should be removed. This will ensure long life and trouble-free operation. An annual inspection and cleaning of the vent system by a qualified agency is recommended.

The minimum inlet gas-supply pressure for purpose of input adjustment is 5" for natural gas and 11" for propane gas. Maximum inlet gas-supply pressure for this burner is 10" for natural and 14" for propane gas.

A fireplace screen must be in place when the log set is burning and, unless other provisions for combustion air are provided, the screen shall have an opening or openings for introduction of combustion air. When a glass fireplace enclosure (door) is used, operate the gas log set with the glass doors open.

MINIMUM PERMANENT FREE VENT OPENING AREA AT CHIMNEY DAMPER

Minimum Permanent Free Vent Opening Area at Chimney Damper				
	For factory-built fireplaces log set sizes		For masonry-built fireplaces log set sizes	
Chimney height				
15'	35 sq. in.	35 sq. in.	39 sq. in.	39 sq. in.
20'	31 sq. in.	31 sq. in.	35 sq. in.	35 sq. in.
25'	30 sq. in.	30 sq. in.	-	-
30'	28 sq. in.	28 sq. in.	32 sq. in.	32 sq. in.

CAUTION: This appliance may not be used or installed in a fireplace with a chimney less than 15' in height.

This appliance may be installed in an aftermarket, permanently located, manufactured (mobile) home, where not prohibited by local codes. Installation of appliances designed for manufactured homes or mobile homes must conform with *Manufactured Home Construction and Safety Standard, Title 24 CFR, Part 3280* in the U.S. and *CAN/CSA Z240 MH* in Canada or by *ANSI/NCSBCS A225.1/NFPA 501A, Manufactured Home Installations Standard* when such as standard is not applicable.

SÛRETÉ DE PRÉINSTALLATION ET DE PRÉPARATION DE CHEMINÉE

ATTENTION: L'installation et la réparation doivent être faites par un NFI certifié ou autre qualifié, installateur professionnel.

Installateur: Lisez soigneusement ces instructions avant d'installer ce système de brûleur à gaz. Soyez sûr que vous comprenez tous les mesures de sécurité et avertissements contenus en ce manuel.

A. Cet appareil est conçu comme appareil occupé. Les adultes doivent être présent quand cet appareil de gaz fonctionne. Ne laissez pas cette unité brûlant si sans surveillance ou tandis que n'importe qui dort.

B. Cet appareil sert seulement avec le type de gaz indiqué de la plaque de contrôle. Cet appareil n'est pas CONVERTIBLE pour l'usage avec d'autres gaz.

C. FAITES ATTENTION : Si non installé, entretenu, et utilisé correctement, par ces instructions, ce produit peut causer des blessures, des dégats matériels, ou la perte de la vie sérieux.

DIRECTIVES DE SÛRETÉ DE PRÉINSTALLATION ET DE PRÉPARATION DE CHEMINÉE

D. AVERTISSEMENT: Avant l'installation dans une cheminée brûlante de combustible solide, la conduite de cheminée, l'amortisseur, et le foyer de cheminée doivent ÊTRE COMPLÈTEMENT NETTOYÉS de la suie, de la créosote, des cendres, et de la peinture lâche, et doivent être inspectés par un décapant qualifié de cheminée. Quelques cheminées plus anciennes peuvent ont besoin de la réparation avant d'installer cet appareil.

E. VÉRIFIEZ LE TYPE de GAZ (normal ou propane) : L'offre de gaz doit être identique qu'indiquée de votre plaque de contrôle de système de brûleur. Si l'offre de gaz est différente, N'INSTALLEZ PAS. Contactez votre revendeur pour l'aide immédiate.

F. Tous les conduits d'air et/ou décharges extérieurs de cendre situées sur le plancher ou les murs de la cheminée doivent être de manière permanente scellés fermées avant l'installation. Employez un mastic anti-calorique. Ne scellez pas l'amortisseur de conduite de cheminée de cheminée.

G. LA PRESSION DE GAZ INSUFFISANTE GARDERA LE PILOTE DU FONCTIONNEMENT CORRECTEMENT. N'EMPLOYEZ PAS SI LA PRESSION DE GAZ EST INFÉRIEURE À LA CONDITION MINIMUM.

H. La pression minimum d'offre de gaz d'admission aux fins de l'ajustement d'entrée est la colonne de l'eau de 5" (w.c.) sur le gaz naturel et 11" w.c. sur le gaz de propane. La pression de gaz insuffisante affectera l'opération appropriée du pilote. N'installez pas cet appareil de gaz si la pression minimum n'est pas disponible. La pression maximum d'offre de gaz d'admission est 10.5" w.c. sur le gaz naturel et 13" w.c. sur le gaz de propane. La source de propane doit être réglée. (ne reliez pas cet appareil directement à un réservoir de gaz non réglé de propane - ceci peut causer une explosion.)

I. Le système de tuyauterie de gaz doit être classé pour fournir la pression minimum d'admission au débit maximum (BTU/hr). La perte anormale de pression se produira si la pipe est trop petite, ou la course est trop longue.

J. Le dégagement minimum avec la cheminée s'ouvrant aux matériaux combustibles sur les murs latéraux et au plafond doit être maintenu conformément au DÉGAGEMENT MINIMUM AUX COMBUSTIBLES - les MURS ET LE PLAFOND.

K. Soyez certain que matériel combustible de plancher (c.-à-d. : tapis, tuile, etc...) n'est pas non plus près de cet appareil de gaz. Si cet appareil est au niveau de plancher ou moins de à 6"au-dessus du plancher, il doit y avoir au moins de 12" de matériel non-combustible entre la base de la cheminée et n'importe quel plancher combustible.

L. Les estimations d'entrée montrées en Btu par heure sont pour des altitudes jusqu'à 2.000 pi. Pour des altitudes au-dessus de 2.000 pi, référez-vous au code national de gaz de carburant ou contactez Robert H. Peterson Company avant d'installer ce produit.

M. Cet appareil de gaz et son clapet à gaz principal doivent être démontés du système sifflant d'offre de gaz pendant tous les essais sous pression de ce système aux pressions d'essai au-dessus de $^1/_2$ psig.

N. Cet appareil de gaz doit être isolé dans le système sifflant d'offre de gaz par fermeture le robinet d'isolement d'équipement relié à la canalisation d'alimentation de gaz pendant tous les essais sous pression du système sifflant d'offre de gaz aux pressions d'essai égales à ou moins de à $^1/_2$ psig.

O. N'employez pas cet appareil si n'importe quelle partie a été sous-marine. Appelez immédiatement un technicien qualifié de service pour inspecter l'appareil et pour remplacer n'importe quelle partie du système de commande et de n'importe quelle commande de gaz qui a été sous-marine.

PRE-INSTALLATION AND FIREPLACE PREPARATION SAFETY

CAUTION: Installation and repair must be done by an NFI Certified or other qualified professional installer.

Installer: Carefully read these instructions before installing this gas burner system. Be sure you understand all safety precautions and warnings contained in this manual.

A. This appliance is designed as an **attended appliance.** Adults must be present when this gas appliance is operating. Do not leave this unit burning when unattended or while anyone is sleeping.

B. This appliance is only for use with the type of gas indicated on the rating plate. This appliance is **NOT FIELD CONVERTIBLE** for use with other gasses.

C. BE CAREFUL: If not installed, serviced, and used correctly per these instructions, this product can cause serious personal injury, property damage, or loss of life.

PRE-INSTALLATION AND FIREPLACE PREPARATION SAFETY GUIDELINES

D. WARNING: Before installing in a solid-fuel-burning fireplace, **the chimney flue, damper, and firebox must be thoroughly CLEANED** of soot, creosote, ashes, and loose paint, and must be inspected by a qualified chimney cleaner. Some older fireplaces may need repair prior to installing this appliance.

E. CHECK GAS TYPE (natural or propane): The gas supply must be the same as stated on your burner system rating plate. If gas supply is different, **DO NOT INSTALL**. Contact your dealer for immediate assistance.

F. Any outside air ducts and/or ash dumps located on the floor or walls of the fireplace must be permanently sealed shut before the installation. Use a heat-resistant sealant. Do not seal the chimney flue damper.

G. INSUFFICIENT GAS PRESSURE WILL KEEP THE PILOT FROM OPERATING PROPERLY. DO NOT USE IF GAS PRESSURE IS LOWER THAN THE MINIMUM REQUIREMENT.

H. The *minimum* inlet gas-supply pressure for purposes of input adjustment is **5"** water column (w.c.) on **natural gas** and **11"** w.c. on **propane gas**. Insufficient gas pressure will affect proper operation of the pilot. Do not install this gas appliance if minimum pressure is not available. The *maximum* inlet gas-supply pressure is **10.5"** w.c. on natural gas and **13"** w.c. on propane gas. The propane source must be regulated. (Do not connect this appliance directly to an unregulated propane gas tank - this can cause an explosion.)

I. The gas piping system must be sized to provide minimum inlet pressure at the maximum flow rate (BTU/hr). Undue pressure loss will occur if the pipe is too small, or the run is too long.

J. The minimum clearance from the fireplace opening to combustible materials on side walls and ceiling must be maintained as outlined in MINIMUM CLEARANCE TO COMBUSTIBLES - WALLS AND CEILING.

K. Be certain that combustible flooring material (e.g., carpet, tile, etc.) is not too close to this gas appliance. If this appliance is at floor level or less than 6" above the floor**,** there must be at least 12" of noncombustible material between the base of the fireplace and any combustible flooring.

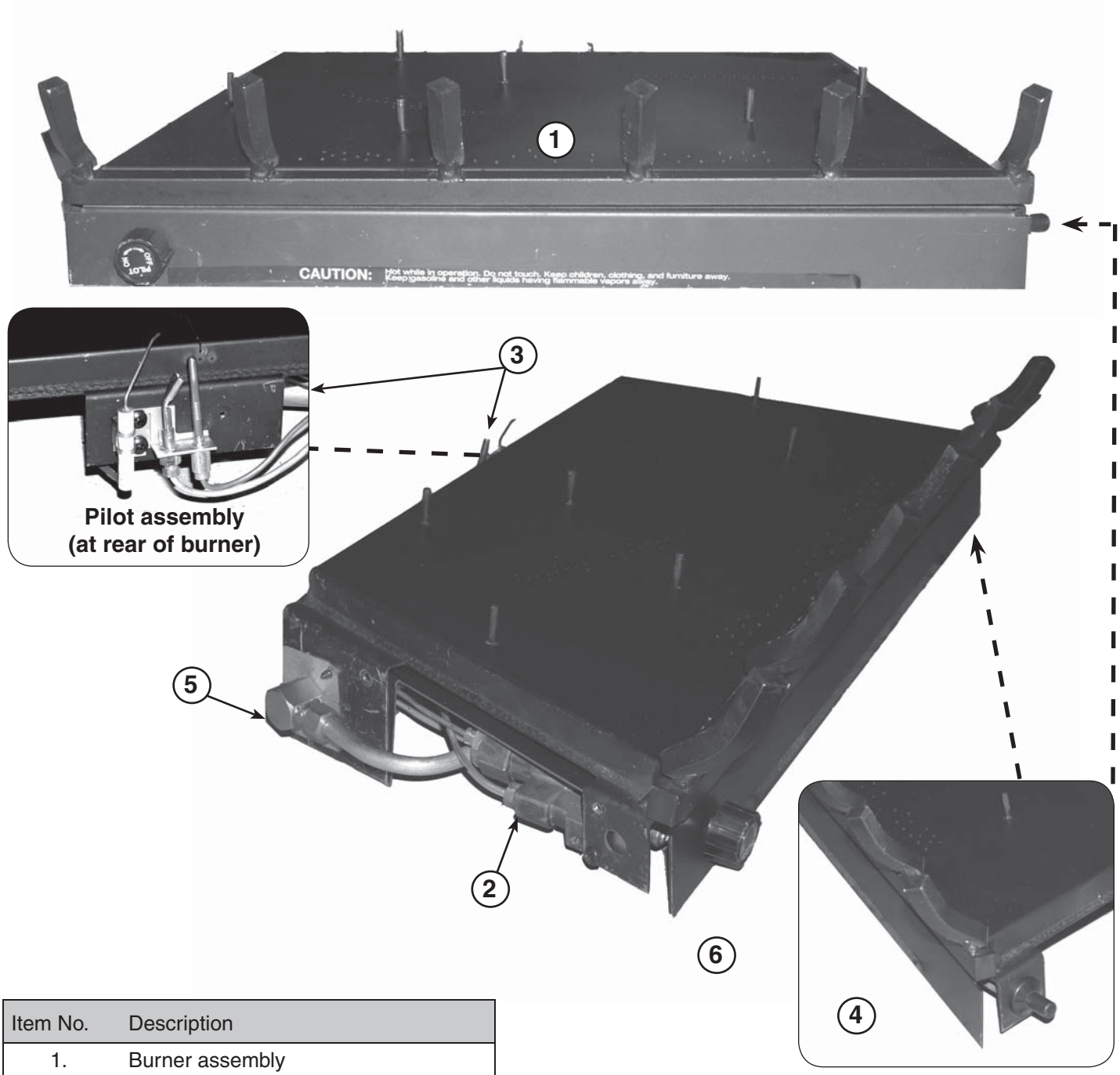
L. Input ratings shown in BTU per hour are for elevations up to 2,000 ft. For elevations above 2,000 ft., refer to the National Fuel Gas Code or contact the Robert H. Peterson Company before installing this product.

M. This gas appliance and its main gas valve must be disconnected from the gas-supply piping system during any pressure testing of that system at test pressures in excess of $^1/_2$ psig.

N. This gas appliance must be isolated from the gas-supply piping system by closing the equipment shutoff valve connected to the gas-supply line during any pressure testing of the gas-supply piping system at test pressures equal to or less than $^1/_2$ psig.

O. Do not use this appliance if any part has been underwater. Immediately call a qualified service technician to inspect the appliance and to replace any part of the control system and any gas control that has been underwater.

PARTS LIST FOR MANUAL SERIES VALVE

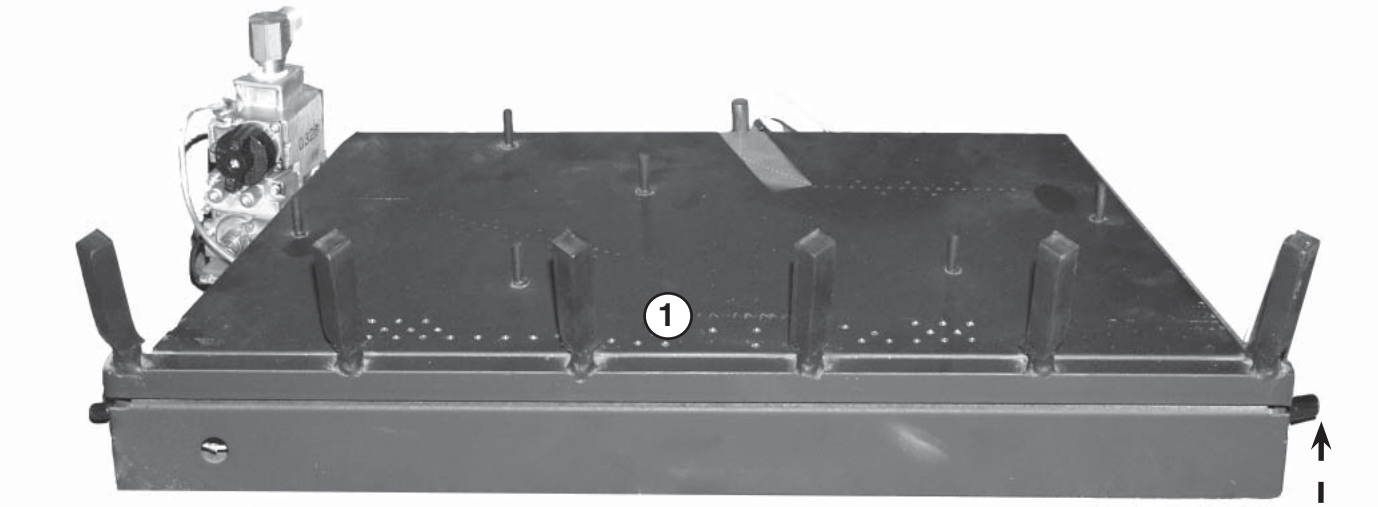


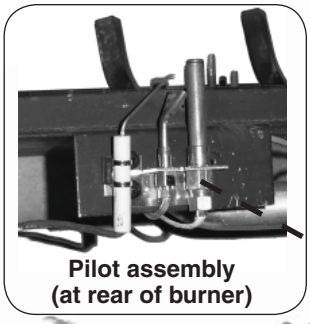
Item No.	Description
1.	Burner assembly
2.	Manual safety valve (for natural gas)
or	Manual safety valve (for propane gas)
3.	Pilot assembly
4.	Piezo ignitor
5.	Elbow, $^{1}/_{2}$" MFL x $^{3}/_{8}$" MPT, brass
6.	Hi-Lo control knob
7.	Connector kit (for propane gas)
or	Connector kit (for natural gas)
8.	Decorative cover for manual valve

Photos not to scale

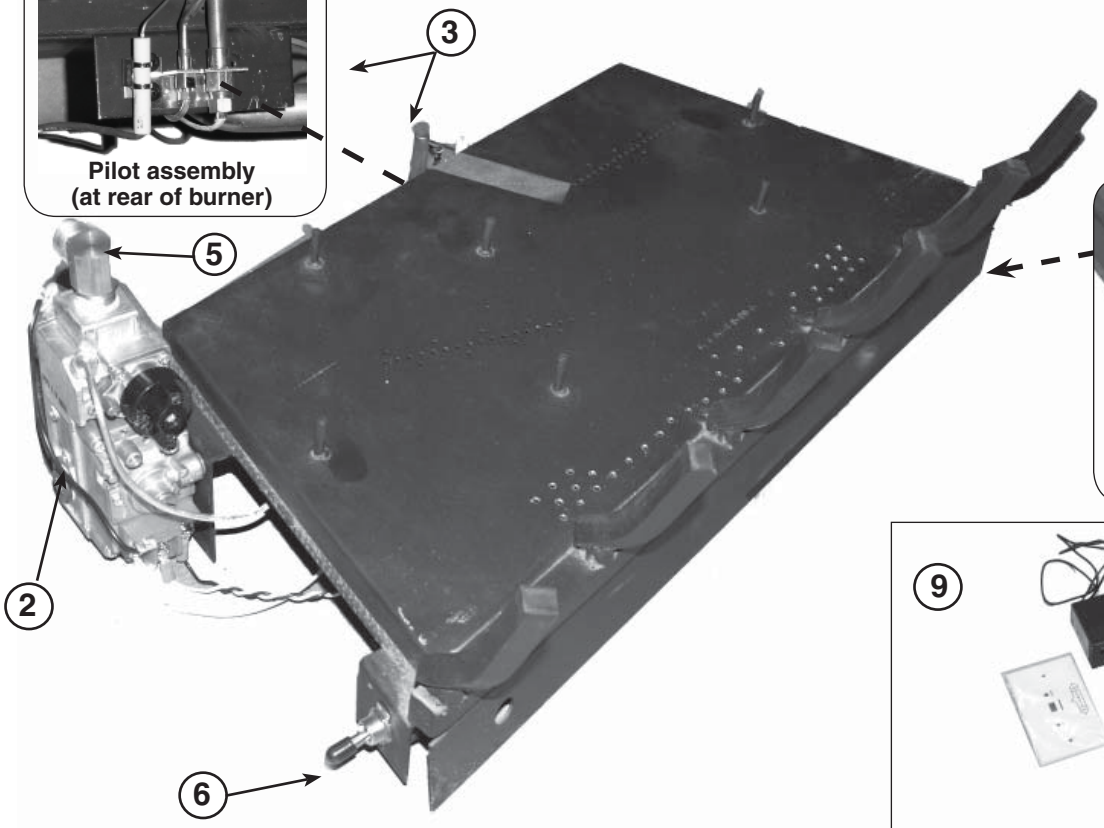
Order replacement parts from your local Real-Fyre® dealer. For a list of dealers in your area, contact R.H. Peterson at the address on the cover of this instruction.

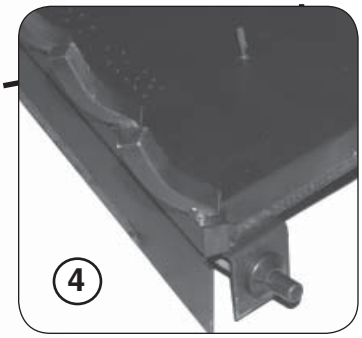
PARTS LIST FOR 11 SERIES VALVE





Pilot assembly (at rear of burner)





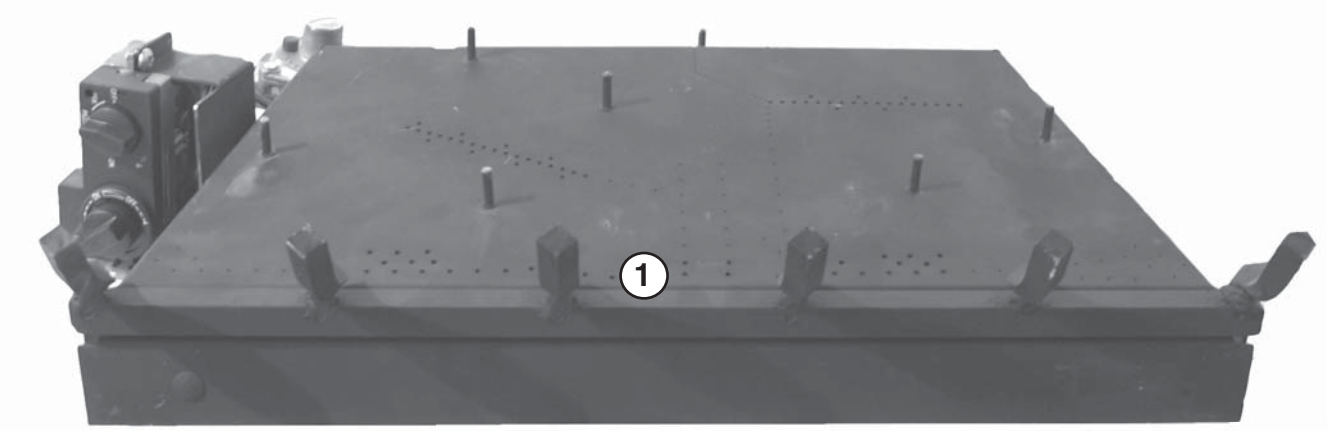
Remote kit with remote instructions.

Item No.	Description
1.	Burner assembly
2.	Remote safety valve (for natural gas)
or	Remote safety valve (for propane gas)
3.	Pilot assembly
4.	Piezo ignitor
5.	Elbow, $^{1}/_{2}$" MFL x $^{3}/_{8}$" MPT, brass
6.	On/Off toggle switch
7.	Connector kit (for propane gas)
or	Connector kit (for natural gas)
8.	Decorative cover
9.	Remote kit (optional)

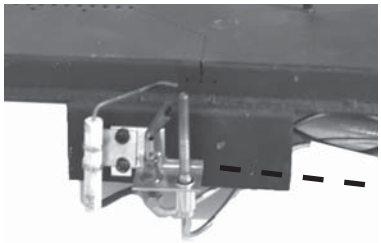
Photos not to scale

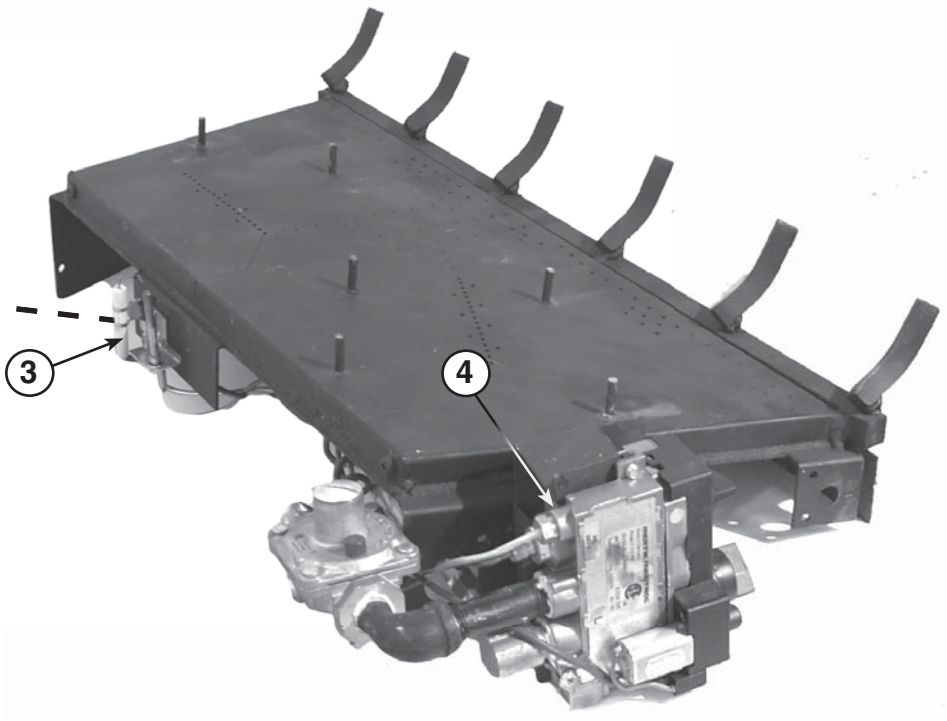
Order replacement parts from your local Real-Fyre® dealer. For a list of dealers in your area, contact R.H. Peterson at the address on the cover of this instruction.

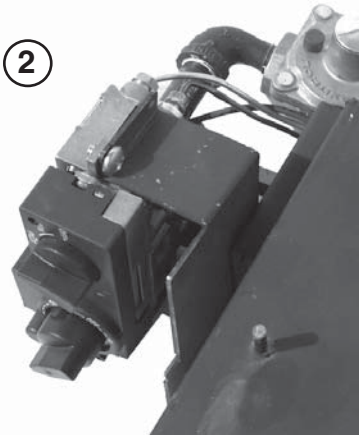
PARTS LIST FOR 15 SERIES VALVE



Pilot assembly (at rear of burner)







Remote kit with remote instructions.

Item No.	Description
1.	Burner assembly
2.	Automatic safety valve (for natural gas)
or	Automatic safety valve (for propane gas)
3.	Pilot assembly (natural) or Pilot assembly (propane)
4.	Elbow, $^3/_8$" FPT x $^3/_8$" MPT, brass
5.	Connector kit (for propane gas)
or	Connector kit (for natural gas)
6.	Decorative cover
7.	Remote kit (optional)

Photos not to scale

Order replacement parts from your local Real-Fyre® dealer. For a list of dealers in your area, contact R.H. Peterson at the address on the cover of this instruction.

CONNECTING THE GAS TO THE BURNER SYSTEM

Important: Be sure you have read and understood all safety precautions and warnings contained in this manual.

Note: To install the vented gas log set, the fireplace must have a gas-supply line that has been installed by a qualified professional technician in accordance with all local codes. **Refer to the PARTS LIST when installing the vented gas log set.**

Tools Required:

1. Adjustable open-ended wrench
2. Pliers
3. Teflon tape or pipe compound resistant to all gasses
4. Soapy water solution & brush for leak detection
5. Standard screwdriver
6. Manometer (recommended for checking gas pressure)

Important: CHECK GAS TYPE (natural or propane). The gas supply must be the same as stated on the gas log set rating plate. If the gas supply is different, **DO NOT INSTALL**. Contact the dealer for immediate assistance.

We recommend that before you install the log set, you familiarize yourself with the control valve layout. This will help you to be confident operating the log set when fully installed (see figures below for typical control positions).

1. **MAKE SURE THE FIREPLACE GAS-SUPPLY IS TURNED OFF.**
2. Center the burner assembly in the fireplace. Make certain that no part of the assembly protrudes beyond the face of the fireplace.
3. Use pipe compound resistant to all gasses or Teflon tape to attach the male NPT pipe threads of the gas-supply line to the large adapter fitting (Fig. 11-2). Then connect the same-colored flare fitting of the flexible connector to the adapter. Connect the flare fitting at the other end of the flex connector to the valve gas inlet (see Fig. 11-1). Tighten both flare fittings.
4. Make sure that the control valve on the burner system is in the **OFF** position (see Fig. 11-3 - Fig. 11-5, depending on which valve you have). Turn on the gas to the fireplace and leak test all connections using a gas detector or a half-and-half soapy water solution. If bubbles appear, a leak is present. Turn off the gas and tighten all connections, then turn on the gas and repeat the leak test. Repeat until no leaks are detected.

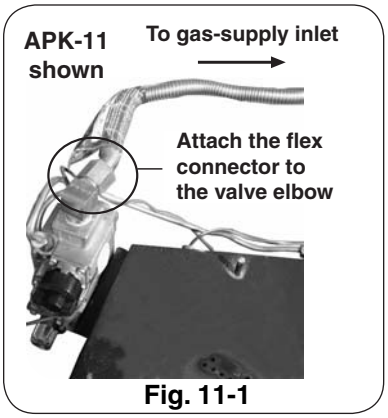


Fig. 11-1

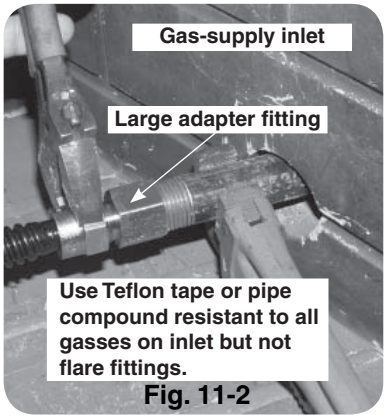

Gas-supply inlet
Large adapter fitting
Use Teflon tape or pipe compound resistant to all gasses on inlet but not flare fittings.
Fig. 11-2

Fig. 11-3
Manual gas valve operating positions

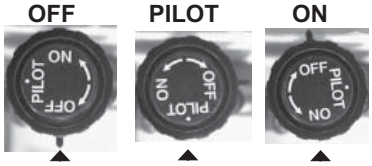
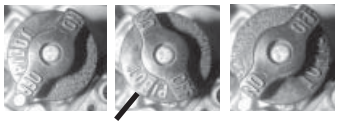


Fig. 11-4
Series 11 remote valve operating positions



Series 15 remote-capable gas valve operating positions

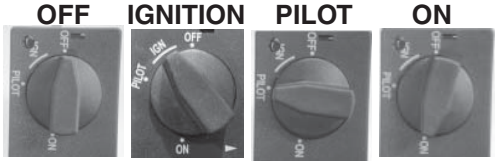


Fig. 11-5

NEVER USE A FLAME TO TEST FOR GAS LEAKS.

WARNING

Failure to position the parts in accordance with these diagrams or failure to use only parts specifically approved with this appliance may result in property damage or personal injury.

W A R N I N G

Do not connect this appliance directly to a high-pressure natural gas line or an unregulated propane tank.

INSTALLATION (Cont.)

I M P O R T A N T

Check the gas pressure with the vented gas log set burning and the control set to **HIGH.**

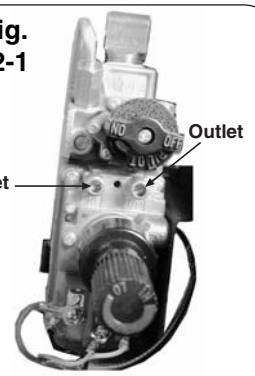
The gas log set and its main gas valve must be disconnected from the gas-supply piping system during any pressure testing of that system at test pressures in excess of $^1/_2$ psig. The gas log set must be isolated from the gas-supply piping system by closing its equipment shutoff valve during any pressure testing of the gas-supply piping system at test pressures equal to or less than $^1/_2$ psig. This is accomplished by closing the gas-supply line valve.

CHECKING GAS PRESSURE

Remote-capable safety pilot valve (Fig. 12-1)

The valve regulator controls the burner pressure, which should be checked at the pressure *inlet* tap.

Fig. 12-1



Turn the inlet screw counterclockwise 2 or 3 turns and then place the tubing of the pressure gauge over the pressure *inlet* tap. (The test inlet tap is under the **ON/OFF/ PILOT** knob). After taking the pressure reading, be sure to turn the inlet screw clockwise firmly to reseal. Do not over-torque. Check for gas leaks.

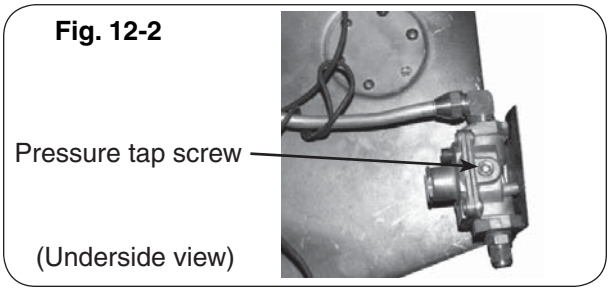
Note: Gas pressure should be checked after connecting the gas and prior to any further installation.

Manual safety pilot valve (Fig. 12-2)

The pressure regulator is preset at the factory and locked to discourage tampering. If the pressure is not as specified, replace the regulator with the correct part from the parts list in this manual.

To check the pressure, remove $^1/_8$" pressure tap screw plug, located on the side of the regulator body. Install fitting and tubing of pressure gauge. With the unit operating, take the pressure reading. Reinstall the pressure tap screw and check for leaks when done.

Fig. 12-2



Gas Pressure Specifications-Natural Gas

MANUAL PRESSURE		MILLIVOLT PRESSURE	
Regulator pressure reading:	4" w.c.	Outlet pressure reading: (Flame adjustment on **HI**)	4" w.c.
Gas inlet pressure:	Max. 10.5" w.c. Min. 5" w.c.	Inlet pressure reading	Max. 10.5" w.c. Min. 5" w.c.

Gas Pressure Specifications-Propane (L.P.) Gas

MANUAL PRESSURE		MILLIVOLT PRESSURE	
Regulator pressure reading:	10" w.c.	Outlet pressure reading: (Flame adjustment on **HI**)	10" w.c.
Gas inlet pressure:	Max. 13" w.c. Min. 11" w.c.	Inlet pressure reading	Max. 13" w.c. Min. 11" w.c.

INSTALLATION OF DECORATIVE COVER

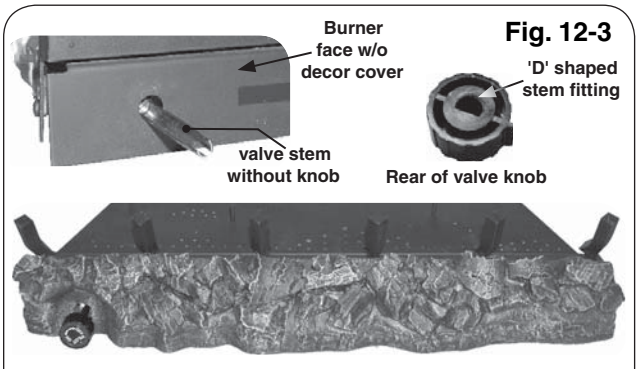


Fig. 12-3

Manual cover installation shown

FOR MANUAL VALVE:

Remove the control knob from the end of the valve stem by pulling it forward and directly away from the burner until it comes off (Do not rotate; See Fig. 12-3). Position the decorative cover (p. 8, item 8) with the smooth side toward the burner and the hole to the left. Slide the hole over the exposed valve stem until the back of the decor cover is completely against the front of the burner. Reattach the knob by first lining up the “D” shaped stem fitting with the valve stem (Fig. 12-3) and then pushing it all the way back onto the stem.

FOR AUTOMATIC VALVE:

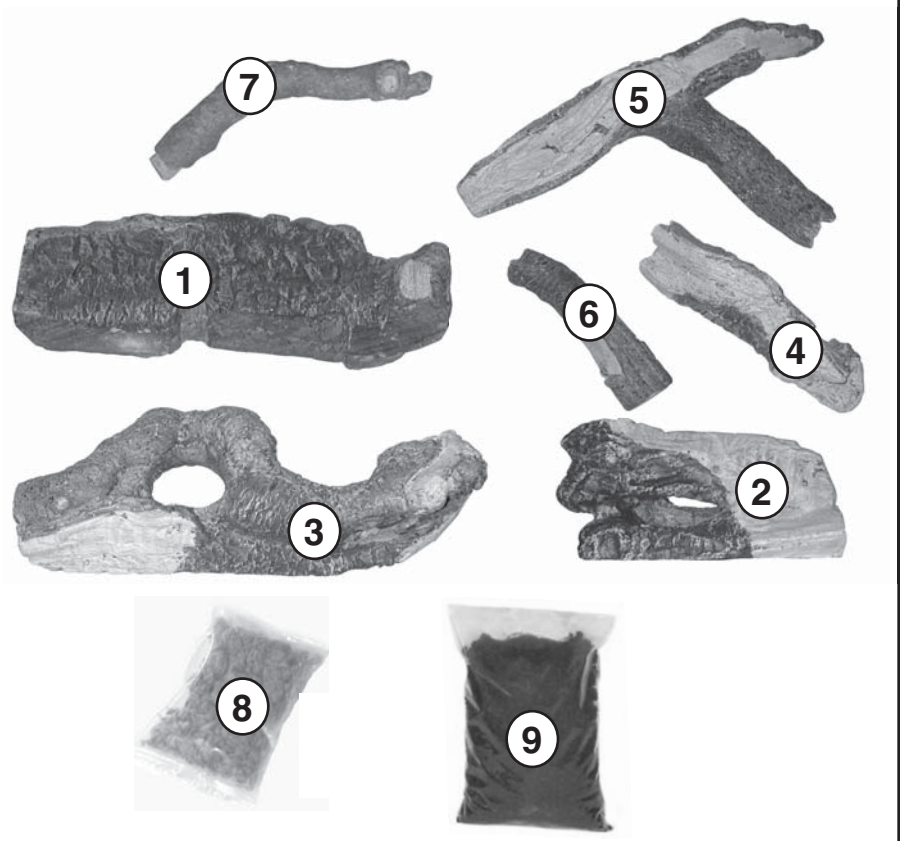
Stand the decorative cover on the fireplace floor and push up against the front of the base.

SIERRA PINE LOG LIST & PLACEMENT

24" LOG LIST
SIERRA PINE
(SRP-24)

Item No.	Part No.	Description
1	SRPL-18R	Rear bottom log
2	SRPL-24FR	Right bottom log
3	SRPL-24FL	Left bottom log
4	SRPL-9T	Right top log
5	SRPL-17TY	Top “Y” log
6	SRPL-10T	Charred center log
7	PNL-15T	Left top log
8	EM-4	Glowing Embers
9	LF-4	Lava Granules

24" Log set shown



TO SET UP THE LOG SET, FOLLOW THE STEPS BELOW:

a) Burner pan has log locator studs to aid positioning and stability for the bottom logs.

b) The rear bottom log (log #1) has a hole in the base in which the rear left stud fits.

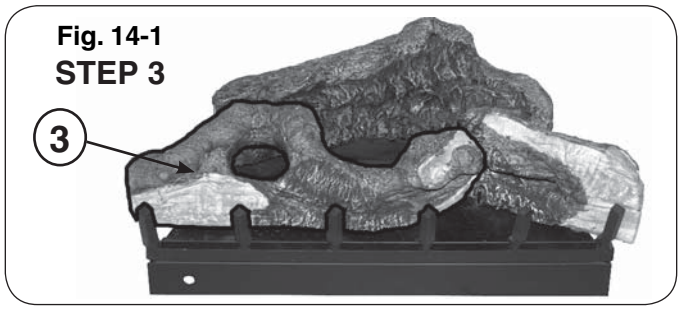
c) The bottom logs have location notches on the top surfaces to aid positioning and stability of top logs (also notched in the base).

Fig. 13-1
STEP 1

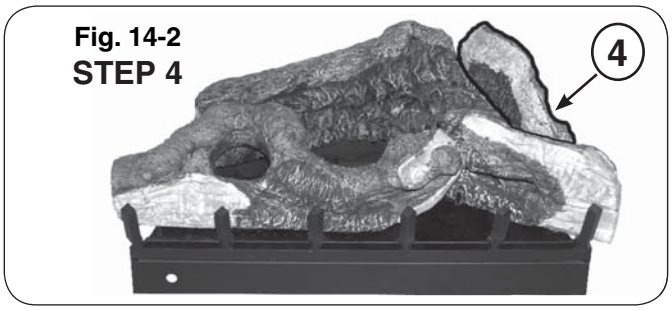
Fig. 13-2
STEP 2

1. Carefully place the rear bottom log #1 with the rear left stud inserted into the hole in the flat bottom of the left side of the log. The front of the right side of the log should rest just behind the rear right stud as shown in Fig. 13-1.

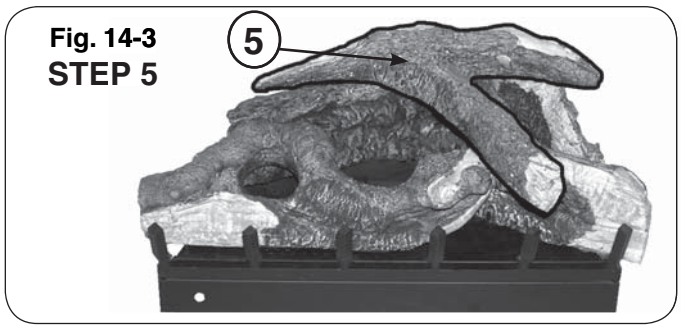
2. Place the right bottom log #2 at an angle on the right side of the burner as shown in Fig. 13-2. Be sure to align the groove in the back of log #2 with the stud on the rear right of the burner.



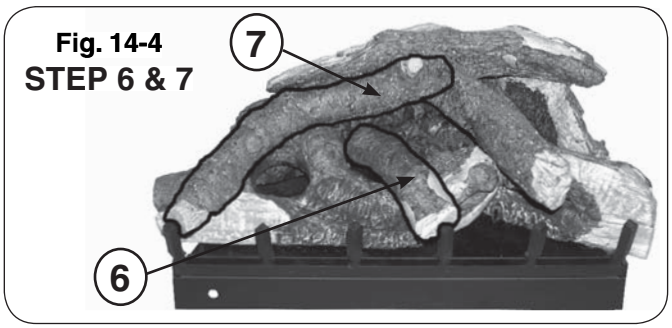
3. Place the left bottom log #3 towards the front of the burner as shown in Fig. 14-1. The log should rest in front of the center left stud.



4. Rest the right top log #4 at an angle with one end on log #1, and the other end inside the rear opening of log #2. (See Fig. 14-2.)



5. Place the top "Y" log #5 across the center of the log set as shown in Fig. 14-3. It should rest securely on logs #1, #2 and #4.



6. Place the charred center log #6 across log #3 with one of the metal grate fingers inserted into the notched end. Rest the left top log #7 at an angle on log #3 and log #5. The bark free end should rest against the far left grate finger. (See Fig. 14-4.)

CAUTION: **BURN HAZARD!** Logs will remain hot for some time after use. You must maintain the log layout as shown to ensure proper operation of the log set. If you need to reposition any log to maintain the proper layout, use heat-resistant gloves, or allow logs adequate time to cool before handling.

7. Place the supplied Glowing Embers (EM-4) along the front and center of the burner, left to right over the small burner ports **ONLY** (see Fig. 14-5). Covering the main flame ports will result in improper operation, creating soot.

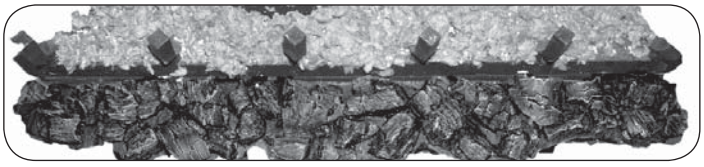


Fig. 14-5
STEP 7

LAVA GRANULE PLACEMENT

Lava Granules are provided as an aesthetic enhancement to the gas log set.

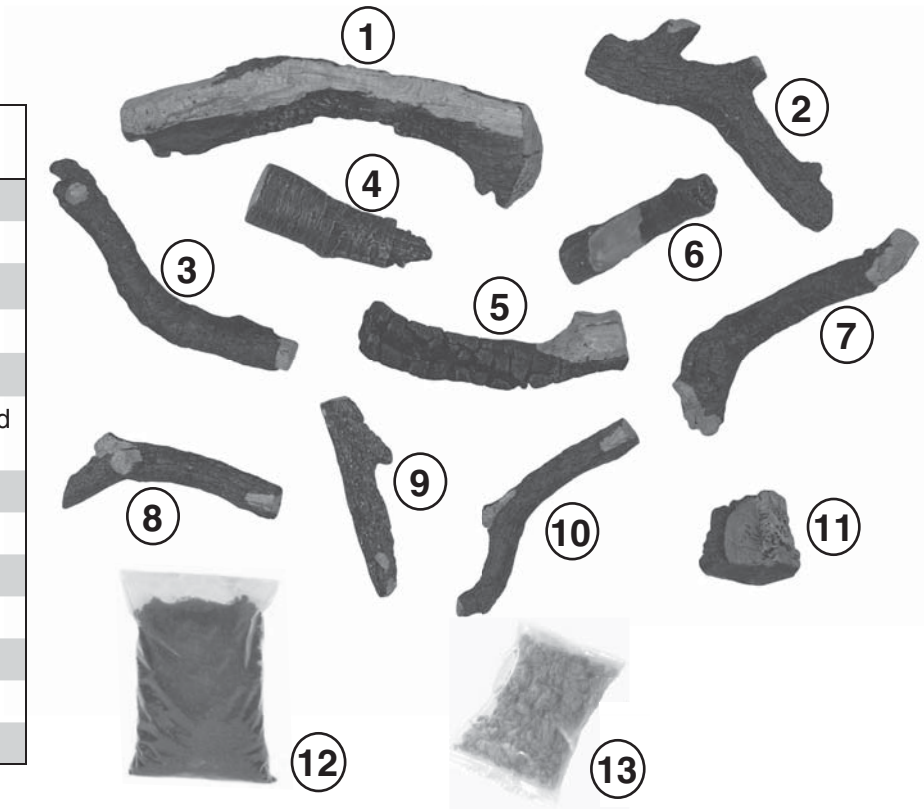
Spread the Lava Granules on the floor of the firebox around the front and the sides of the log set.

BE SURE THAT NO GRANULES ENTER THE MAIN BURNER OR INTERFERE WITH THE BURNING OF THE LOG SET.

CHARRED SUMMIT PINE LOG LIST & PLACEMENT

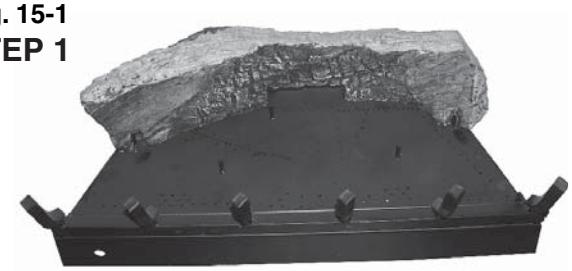
24" LOG LIST
CHARRED SUMMIT PINE
(CHSP-24)

Item No.	Part No.	Description
1	CHSPL-19R	Ripped log
2	CHSPL-15	Branching log
3	PNL-15T	Curved log
4	OCBWL-9	Burnt half log
5	CHSPL-14	Charred stripped log
6	EBVL-10T	Small charred stripped log
7	CHSPL-16	Charred gnarled log
8	CHSPL-10	Charred knotty log
9	CHSPL-9	Forked top log
10	CHSPL-12	Charred bottom log
11	CHK-10	Wood chunk
12	LF-4	Lava Granules
13	EM-4	Glowing Embers



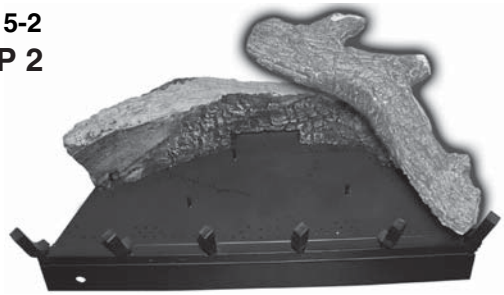
TO SET UP THE LOG SET, FOLLOW THE STEPS BELOW.

Fig. 15-1
STEP 1



1. Set Log #1 on the burner (with flat side down), lining up the notches on the bottom of the log with the pegs on the burner.

Fig. 15-2
STEP 2



2. Rest Log #2 on the right side of Log #1 as shown in Fig. 15-2 with the notched end resting against the right most finger of the grate.

Fig. 15-3
STEP 3

3. Place Log #3 so that the flat sits on top of the burner between the grate fingers second and third from the right and the other end rests across the center of Log #1 (Fig. 15-3).

Fig. 15-4
STEP 4

4. Lay the larger side of Log #4 across the lower part of Log # 3 as shown in Fig. 15-4 so that the smaller end rests on the burner between Logs #2 and #3.

CHARRED SUMMIT PINE LOG PLACEMENT (Cont.)

Fig. 16-1
STEP 5

5. Lay the flat on the charred side of Log #5 on the open space on the left of the burner against the base of Log #1 with the stripped side resting on top of the forward end of Log #4 as shown in Fig. 16-1.

Fig. 16-2
STEP 6

6. Place the notched end of Log #6 against grate finger second from the left and the other end atop Log #3.

Fig. 16-3
STEP 7

7. Set the notched end of Log #7 against the left most finger of the grate so the middle rests on Log #1 and the end on Log #3 (Fig. 16-3).

Fig. 16-4
STEP 8

8. Lay Log #8 across Logs #7, #6, and #5 as shown in Fig. 16-4.

Fig. 16-5
STEP 9

9. Rest the stripped section of Log #9 against the grate finger second from the right with the charred section side to the left and the "Y" end supported on Log #2.

WARNING: Failure to position the parts in accordance with these diagrams or failure to use only parts specifically approved with this appliance may result in property damage or personal injury.

Fig. 16-6
STEP 10

10. Rest Log #10 over Log #5 and Log #3 with its charred section facing Log #9.

CAUTION: **BURN HAZARD!** Logs will remain hot for some time after use. You must maintain the log layout as shown to ensure proper operation of the log set. If you need to reposition any log to maintain the proper layout, use heat-resistant gloves or allow logs adequate time to cool before handling.

11. Place the supplied embers (EM-4) along the front and center of the burner, left to right over the small burner ports **ONLY** (see Fig. 16-7). Covering the main flame ports will result in improper operating, creating soot.

The supplied wood chunk is for decorative use. Place the wood chunk **on the fireplace floor** at the left side of the burner, slightly in front of the valve.

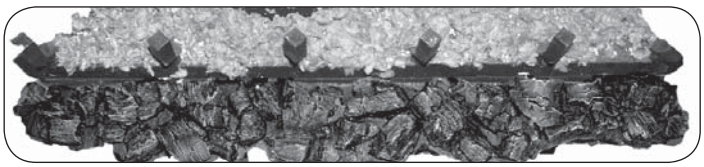


Fig. 16-7
STEP 11

LAVA GRANULE PLACEMENT

Lava Granules are provided as an aesthetic enhancement to the gas log set. Spread the Lava Granules on the floor of the firebox around the front and the sides of the log set.

BE SURE THAT NO GRANULES ENTER THE MAIN BURNER OR INTERFERE WITH THE BURNING OF THE LOG SET.

LIGHTING INSTRUCTIONS - MANUAL PILOT VALVE

FOR YOUR SAFETY, READ BEFORE LIGHTING

WARNING

If you do not follow these instructions exactly, a fire or explosion may result, causing property damage, personal injury, or loss of life.

Do not use this appliance if any part has been underwater. Immediately call for a qualified professional service technician to inspect the appliance and to replace any part of the control system and any gas control that has been underwater.

The Real-Fyre® burner system has a pilot that can be lit using the built-in piezo ignitor switch on the burner, or by hand using a match or long-necked lighter. When lighting the pilot, follow these instructions exactly.

BEFORE LIGHTING, smell all around the burner area for gas. Be sure to smell next to the floor, as some gas is heavier than air and will settle on the floor. IF YOU SMELL GAS, FOLLOW THE INSTRUCTIONS ON P. 1.

Use only your hand to push in or turn the gas control knob. Never use tools. If the knob will not push in or turn by hand, don't try to repair it. Call a qualified professional service technician. Force or attempted repair may result in fire or explosion.

LIGHTING THE PILOT

1. If the burner control valve knob is not in the **OFF** position, push in the gas control handle slightly and turn clockwise ↷ to **OFF** (Fig. 17-1). Refer to the PARTS LIST for the location of the burner control valve knob.

Note: The burner control knob cannot be turned from **PILOT** to **OFF** unless the handle is pushed in slightly. Do not force.

Wait five minutes to clear out any gas. If you then smell gas, STOP! Notify your gas supplier or the fire department immediately. If you don't smell gas, go on to step 2.

2. Turn the burner control knob counterclockwise ↶ to **PILOT** (Fig. 17-1). Push the control handle all the way in and hold it. Push in the piezo ignitor button several times until the pilot lights. Continue to hold the control knob for approximately 60 seconds after the pilot is lit to allow the thermocouple to detect the pilot flame, then release the knob. The pilot will remain lit.

- If the pilot will not light, repeat steps 1 and 2.
- If the pilot will not stay lit after several tries, turn the gas control handle to **OFF** and call your service technician or gas supplier.

IGNITING THE MAIN BURNER

1. Make sure the pilot is burning.
2. Turn the gas control handle counterclockwise ↶ to **ON** (Fig. 17-1) to ignite the burner. The burner will ignite.

Note: Periodically check the pilot flame for the proper flame pattern (Fig. 17-1).

MAKE SURE THE THERMOCOUPLE AND PILOT ASSEMBLY ARE IN CORRECT ALIGNMENT WITH EACH OTHER (Fig. 17-1).

TURNING OFF THE MAIN BURNER

1. From the **ON** position, turn the control knob clockwise ↷ to the **PILOT** position. The burner will extinguish, and the pilot will remain lit.

EXTINGUISHING THE PILOT

1. If complete shutdown is desired, from the **PILOT** position, push in the control knob slightly and turn clockwise ↷ to the **OFF** position. **Do not force the knob.** This will require the pilot to be relit before using the burner again.

1. Lighting - Turn the burner control knob to **OFF** ↷ and wait 5 minutes before lighting.

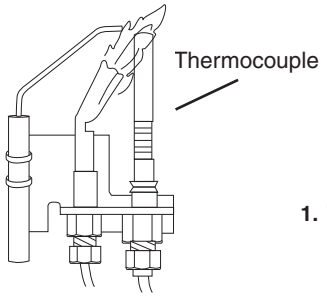
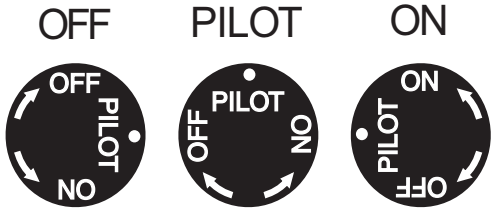


Fig. 17-1



1. Turn the knob clockwise to **OFF** ↷ only when complete shutdown is desired.

2. Turn knob counterclockwise ↶ to **PILOT** position. With match ready, press knob in and hold for 60 seconds while lighting pilot.

3. Turn the knob counterclockwise to **ON** to light the burner.

INSTRUCTIONS D'ÉCLAIRAGE - SOUPAPE DE COMMANDE

POUR VOTRE SÛRETÉ, LISEZ AVANT DE S'ALLUMER

AVERTISSEMENT: Si vous ne suivez pas ces instructions exactement, une incendie ou une explosion peut résulter entraînant des dégats matériels, des blessures ou la perte de la vie.

N'employez pas cet appareil si n'importe quelle partie a été sous-marine. Réclamez immédiatement un technicien de service professionnel qualifié et pour inspecter l'appareil et pour remplacer n'importe quelle partie du système de commande et de n'importe quelle commande de gaz qui a été sous l'eau.

Le Vrai-Fyre® système de brûleur a un pilote qui peut être allumé en utilisant construit dans le passage d'ignitor de piezo sur le brûleur, ou employer à la main une allumette ou désirer ardemment allumeur étranglé. En allumant le pilote, suivez ces instructions exactement.

AVANT DE S'ALLUMER, sentez tous autour du secteur de brûleur pour le gaz. Soyez sûr de sentir à côté du plancher car un certain gaz est plus lourd que l'air et arrangerez sur le plancher. SI VOUS SENTEZ LE GAZ, SUIVEZ LES INSTRUCTIONS À LA P. 1.

Utilisez seulement votre main pour enfoncer ou pour tourner le bouton de commande de gaz. N'utilisez jamais les outils. Si le bouton n'enfoncera pas ou ne tournera pas à la main, n'essayez pas de le réparer. Appelez un technicien de service professionnel qualifié et. La force ou la réparation essayée peut avoir comme conséquence l'incendie ou l'explosion.

ALLUMER LE PILOTE

1. Si le bouton de soupape de commande de brûleur n'est pas dans la position de **OFF**, enfoncez la poignée de commande de gaz légèrement et tournez-vous dans le sens des aiguilles d'une montre ↷ vers **OFF** (fig. 18-1).

Note: Le bouton de commande de brûleur ne peut pas être tourné du **PILOT** au **OFF** à moins que la poignée soit enfoncée légèrement. Ne forcez pas.

Attendez cinq minutes pour dégager dehors n'importe quel gaz. Si vous sentez alors le gaz, ARRÊTEZ ! Informez votre fournisseur de gaz ou le département de feu immédiatement. Si vous ne sentez pas le gaz, passez dessus à l'étape 2.

2. Tournez le bouton de commande de brûleur dans le sens contraire des aiguilles d'une montre ↶ au **PILOT** (Fig. 18-1). Poussez la poignée de commande toute la manière dedans et tenez-la. Enfoncez le bouton d'ignitor de piezo plusieurs fois jusqu'aux lampes témoin. Continuez à tenir le bouton de commande pour approximativement 30 secondes après que le pilote est allumé pour permettre au thermocouple de détecter la flamme pilote, puis libérez le bouton. Le pilote restera s'est allumé.

- Si le pilote ne s'allumera pas, répétez les étapes 1. et 2.
- Si le pilote ne restera pas s'allumait après que plusieurs essais, tournent la poignée de commande de gaz à **OFF** et appellent votre fournisseur de technicien ou de gaz de service.

ALLUMAGE DU BRÛLEUR PRINCIPAL

1. Assurez-vous que le pilote brûle.
2. Tournez la poignée de commande de gaz dans le sens contraire des aiguilles d'une montre ↶ à **ON** (fig. 18-1) pour mettre à feu le brûleur. Le brûleur mettra à feu.

Note: Examinez périodiquement la flamme pilote pour assurer le modèle approprié de flamme (Fig. 18-1).

ASSUREZ-VOUS QUE LE THERMOCOUPLE ET L'ASSEMBLÉE PILOTE SONT EN ALIGNEMENT CORRECT AVEC L'UN L'AUTRE (FIG. 18-1).

ROTATION OUTRE DU BRÛLEUR PRINCIPAL

1. De la position de **ON**, tournez le bouton de commande dans le sens des aiguilles d'une montre ↷ à la position **PILOT**. Le brûleur s'éteindra et le pilote restera s'est allumé.

S'ÉTEINDRE LE PILOTE

1. Si complet l'arrêt est désiré, de la position **PILOT**, de l'enfoncer le bouton de commande légèrement et du tour dans le sens des aiguilles d'une montre ↷ à la position de repos. Ne forcez pas le bouton. **NE FORCEZ PAS LE BOUTON.** Ceci exigera du pilote d'être re-s'est allumé avant d'utiliser le brûleur encore.

1. S'ALLUMER - tournez le bouton de commande de brûleur à **OFF** ↷ et attendez 5 minutes avant de s'allumer.

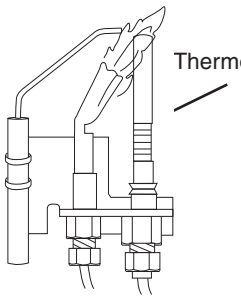
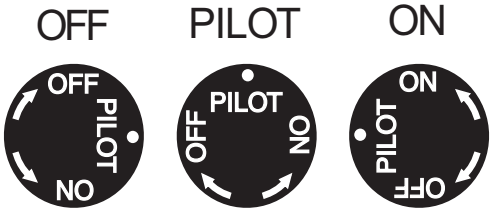


Fig. 18-1



1. Tournez le cadran dans le sens des aiguilles d'une montre ↷ à **OFF** seulement quand l'arrêt complet est nécessaire.

2. Tournez le cadran dans le sens contraire des aiguilles d'une montre ↶ à la position **PILOT**. Avec le bouton prêt de pression d'allumette dedans et la prise pendant 60 secondes tout en allumant le pilote.

3. Tournez le bouton contre- dans le sens des aiguilles d'une montre à **ON** au brûleur léger.

LIGHTING INSTRUCTIONS - SERIES 11 VALVE

FOR YOUR SAFETY, READ BEFORE LIGHTING

WARNING

If you do not follow these instructions exactly, a fire or explosion may result, causing property damage, personal injury, or loss of life.

Do not use this appliance if any part has been underwater. Immediately call for a qualified professional service technician to inspect the appliance and to replace any part of the control system and any gas control that has been underwater.

The Real-Fyre® burner system has a pilot that can be lit by using the built-in piezo ignitor switch on the burner, or by hand using a match or long-necked lighter. When lighting the pilot, follow these instructions exactly.

BEFORE LIGHTING, smell all around the burner area for gas. Be sure to smell next to the floor, as some gas is heavier than air and will settle on the floor. IF YOU SMELL GAS, FOLLOW THE INSTRUCTIONS ON P. 1.

Use only your hand to push in or turn the gas control knob. Never use tools. If the knob will not push in or turn by hand, don't try to repair it. Call a qualified professional service technician. Force or attempted repair may result in fire or explosion.

LIGHTING THE PILOT

To read the safety valve control knob (Fig. 19-1), read the marking nearest the teardrop-shaped metal pointer.

1. If the safety valve control knob is in the **PILOT** position, push in slightly on the knob and rotate it clockwise ↷ to the **OFF** position.
2. Release knob and wait five (5) minutes.
3. Turn safety valve knob counterclockwise ↶ to the **PILOT** position. (Only the pilot gas will flow when the knob is pushed in.)
4. Push and hold the safety valve knob fully in and push in the piezo ignitor button several times until the pilot lights.
5. Hold the safety valve knob in for approximately 60 seconds before releasing.
6. **If the pilot does not stay lit**, turn the safety valve knob clockwise ↷ to the full **OFF** position. Wait five (5) minutes, then repeat steps 3 through 5.

IGNITING THE MAIN BURNER

With the pilot lit, turn the safety valve knob counterclockwise ↶ to the **ON** position. Switch the toggle switch control to the **ON** position, and the burner will light. Refer to the PARTS LIST for the toggle switch location.

SHUTTING OFF THE MAIN BURNER

Switch the toggle switch control to the **OFF** position. The pilot will remain lit.

SHUTTING OFF THE PILOT

Be sure the toggle switch control is **OFF** and depress and turn the safety valve knob clockwise ↷ to the **OFF** position.

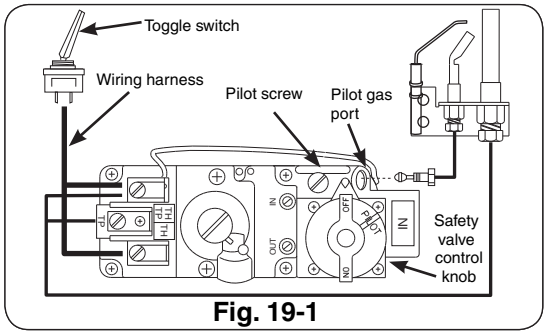


Fig. 19-1

ADJUSTING THE PILOT

a. The pilot flame should encircle the generator tip, and is preset at the factory (Fig. 19-2).

b. If adjustment is necessary (Fig.19-1), turn the gas adjustment screw counterclockwise ↶ to increase the pilot flame, or clockwise ↷ to decrease the pilot flame.

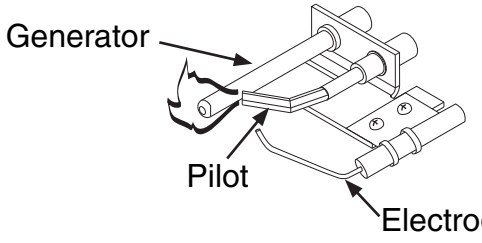
MAINTENANCE

Your pan burner is equipped with a safety pilot that will shut off the gas supply in the event that the pilot is not functioning properly. Make sure the pilot is adjusted properly and that the generator spade clips are tightly connected to the terminal screws on the valve. If the pilot will not stay lit, call your local gas utility or gas supplier.

A periodic check of the following should be performed at least annually by a qualified professional service representative:

1. Valves and toggle switch control for proper operation.
2. Flue system for rust, damage, or leaks.
3. Damper operation.
4. Orifices for dirt or other foreign matter.
5. Visual check on the burner.

If this unit was shipped with a remote, or if a remote system was installed later, read and follow the separate remote instructions to operate the burner remotely.



Note: Pilot flame should encircle top of the generator.

Fig. 19-2 Lighting the pilot

INSTRUCTIONS D'ÉCLAIRAGE - VALVE DE LA SÉRIE 11

POUR VOTRE SÛRETÉ, LISEZ AVANT DE S'ALLUMER

AVERTISSEMENT : Si vous ne suivez pas ces instructions exactement, une incendie ou une explosion peut résulter entraînant des dégats matériels, des blessures ou la perte de la vie.

N'employez pas cet appareil si n'importe quelle partie a été sous-marine. Réclamez immédiatement un technicien de service professionnel qualifié et pour inspecter l'appareil et pour remplacer n'importe quelle partie du système de commande et de n'importe quelle commande de gaz qui a été sous l'eau.

Le Vrai-Fyre® système de brûleur a un pilote qui peut être allumé en employant construit dans le passage d'ignitor de piezo sur le brûleur, ou employer à la main une allumette ou désirer ardemment allumeur étranglé. En allumant le pilote, suivez ces instructions exactement.

AVANT DE S'ALLUMER, sentez tous autour du secteur de brûleur pour le gaz. Soyez sûr de sentir à côté du plancher car un certain gaz est plus lourd que l'air et arrangerez sur le plancher. SI VOUS SENTEZ LE GAZ, SUIVEZ LES INSTRUCTIONS À LA P. 1.

Utilisez seulement votre main pour enfoncer ou pour tourner le bouton de commande de gaz. N'utilisez jamais les outils. Si le bouton n'enfoncera pas ou ne tournera pas à la main, n'essayez pas de le réparer. Appelez un technicien de service professionnel qualifié et. La force ou la réparation essayée peut avoir comme conséquence l'incendie ou l'explosion.

ALLUMANT LE PILOTE

Pour lire le bouton de commande de soupape de sûreté (Fig. 20-1) lisez l'indicateur formé par larme la plus proche en métal d'inscription.

1. Si le bouton de commande de soupape de sûreté est en position **PILOT**, enfoncez légèrement sur le bouton et tournez-le dans le sens des aiguilles d'une montre ↷ jusqu à la position de **OFF**.
2. Libérez le bouton et attendez cinq minutes.
3. Tournez le bouton de soupape de sûreté dans le sens contraire des aiguilles d'une montre ↶ à la position **PILOT** (seulement le gaz pilote coulera quand le bouton est enfoncé).
4. Poussez et tenez le bouton de soupape de sûreté entièrement dedans et enfoncez le bouton d'ignitor de piezo plusieurs fois jusqu'aux lampes témoin.
5. Tenez le bouton de soupape de sûreté dedans pendant approximativement 60 secondes avant de libérer.
6. **Si le pilote ne reste pas s'allumait,** la position de **OFF** de bouton de soupape de sûreté dans le sens des aiguilles d'une montre ↷ entièrement. Attendez cinq minutes, puis répétez les étapes 3. à 5.

METTANT À FEU LE BRÛLEUR PRINCIPAL

Avec lampe témoin, tournent le bouton de soupape de sûreté dans le sens contraire des aiguilles d'une montre ↶ à la position de **ON**. Commutez la commande d'interrupteur à levier à la position de **ON** et le brûleur s'allumera.

COUPANT LE BRÛLEUR PRINCIPAL

Commutez la commande d'interrupteur à levier à la position de **OFF**. Le pilote restera s'est allumé.

COUPANT LE PILOTE

Soyez sûr que commande d'interrupteur à levier est éteint et enfonce et tourne le bouton de soupape de sûreté dans le sens des aiguilles d'une montre ↷ à la position de **OFF**.

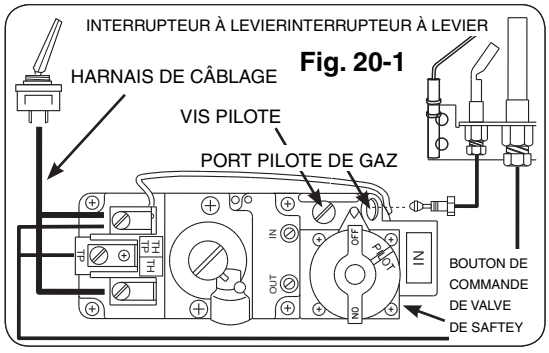


Fig. 20-1

AJUSTANT LE PILOTE

1. La flamme pilote devrait encercler le bout de générateur, et est préréglée à l'usine (Fig. 20-2).
2. Si l'ajustement est nécessaire, (Fig. 20-1) tournez la vis d'approche de gaz dans le sens contraire des aiguilles d'une montre ↶ pour augmenter la flamme pilote, ou pour diminuer dans le sens des aiguilles d'une montre ↷ la flamme pilote.

ENTRETIEN

Votre brûleur à casserole est équipé d'un pilote de sûreté qui coupera l'offre de gaz au cas où le pilote serait ne brûlant pas ou ne fonctionnant pas correctement. Assurez-vous que le pilote est ajusté correctement et que les agrafes de cosse de générateur sont étroitement reliées aux vis terminales sur la valve. Si le pilote ne restera pas allumait, appelle votre utilité de gaz ou fournisseur locale de gaz.

Un contrôle périodique du suivant devrait être exécuté au moins annuellement par un représentant qualifié de service professionnel.

1. Valves et commande d'interrupteur à levier pour l'opération appropriée.
2. Système de conduite de cheminée pour la rouille, les dommages ou les fuites.
3. Une opération plus humide.
4. Orifices pour la saleté ou d'autres corps étrangers.
5. Contrôle visuel sur le brûleur.

Si cette unité était embarquée avec un extérieur, ou si un système à distance était installé plus tard, lisez et suivez les instructions à distance séparées d'actionner le brûleur à distance.

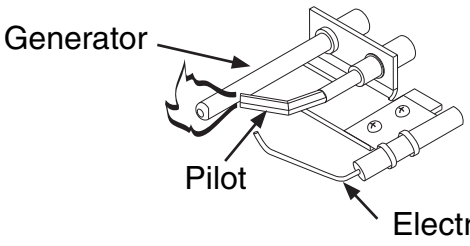


Fig. 20-2

Note: La flamme pilote devrait encercler le dessus du générateur

LIGHTING INSTRUCTIONS - SERIES 15 VALVE

FOR YOUR SAFETY, READ BEFORE LIGHTING

WARNING

If you do not follow these instructions exactly, a fire or explosion may result, causing property damage, personal injury, or loss of life.

Do not use this appliance if any part has been underwater. Immediately call for a qualified professional service technician to inspect the appliance and to replace any part of the control system and any gas control that has been underwater.

The Real-Fyre® burner system has a pilot. When starting the pilot, follow these instructions exactly.

BEFORE LIGHTING, smell all around the gas burner system area for gas. Be sure to smell next to the floor, as some gas is heavier than air and will settle on the floor. IF YOU SMELL GAS, FOLLOW THE INSTRUCTIONS ON P. 1.

Use only your hand to push in or turn the gas control knob. Never use tools. If the knob will not push in or turn by hand, don't try to repair it. Call a qualified professional service technician. Force or attempted repair may result in fire or explosion.

LIGHTING THE PILOT

1. Turn the ignitor control knob (Fig. 21-1) on the burner control valve assembly to the side of the burner pan counterclockwise so that the narrowing part of the knob moves from the **OFF** position, slightly toward **IGN,** until reaching the stop.
2. Press the ignitor control knob in and hold in for five (5) seconds (only pilot gas will flow).
3. Continue pressing in while turning the ignitor control knob further counterclockwise toward the **PILOT** position until you hear a click. The click is an indication that the piezo ignitor has been activated.

Note: If the spark from the piezo ignitor does not light the pilot, repeat steps 2 & 3 until the pilot lights.

4. Continue to hold the ignitor control knob in the **PILOT** position for 60 seconds after the pilot has been lit to allow the thermocouple to detect the pilot flame.

Note: The pilot flame should always be present when the burner system is in operation, and should just envelop the tip of the thermocouple.

IGNITING THE MAIN BURNER

1. When the pilot flame is stable, release the ignitor control knob and turn counterclockwise to the **ON** position to enable the main burner.
2. Turn the flame-height control knob (Fig. 21-3) counterclockwise to the fully **ON** position (Fig. 21-4) to ignite the burner at maximum BTUs. After the main burner ignites, adjust the flame height as indicated below.

ADJUSTING THE FLAME HEIGHT

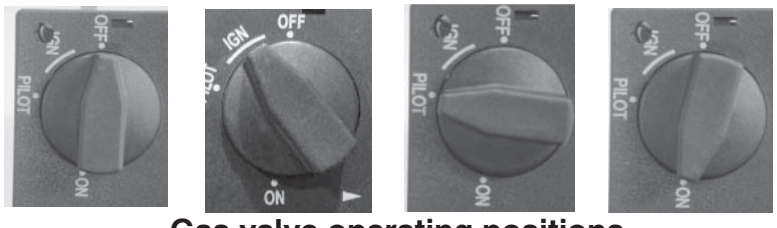
1. To adjust the flame, turn the flame-height control knob (Fig. 21-3) counterclockwise to increase the flame height, or clockwise to decrease the flame height, until the flames have the desired characteristics.
2. When you are finished enjoying your fire, turn the flame-height control knob to **OFF**. The pilot will remain lit. The burner system can be relit by rotating the flame-height control knob toward **ON**.

SHUTTING OFF THE PILOT

If you do not plan on using your burner system for an extended period, you may elect to extinguish the pilot. To do this, rotate the flame-height control knob to the **OFF** position and then rotate the ignitor control knob to the **OFF** position (Fig. 21-1).

Important: When shutting the burner system down completely, turn the control/ignition knob to the **OFF** position (Fig. 21-1). If you desire to turn the unit back on, wait a minimum of one (1) minute before starting the relight procedure (LIGHTING THE PILOT). This allows the safety valve to reset in preparation for relighting.

If this unit was shipped with a remote, or if a remote system was installed later, read and follow the separate remote instructions to operate the burner remotely.



Gas valve operating positions
Fig. 21-1

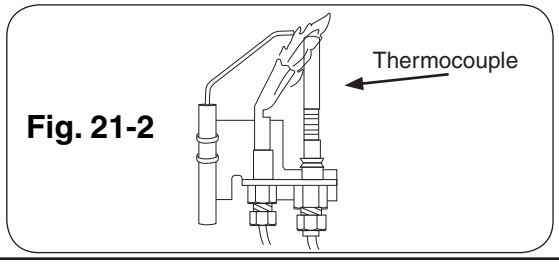


Fig. 21-2

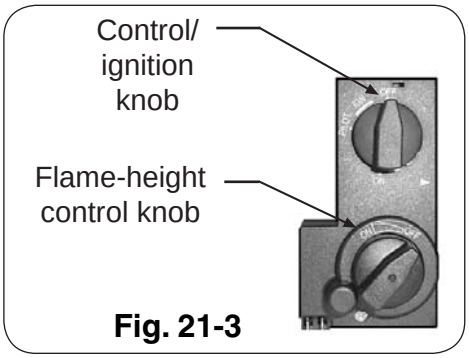


Fig. 21-3

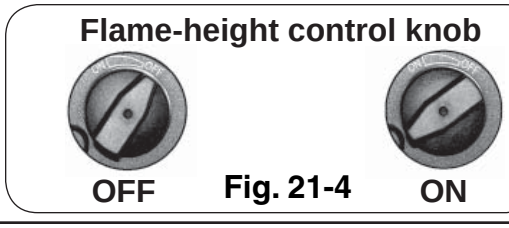


Fig. 21-4

INSTRUCTIONS D'ÉCLAIRAGE - VALVE DE LA SÉRIE 15

POUR VOTRE SÛRETÉ, LISEZ AVANT DE S'ALLUMER

AVERTISSEMENT : Si vous ne suivez pas ces instructions exactement, une incendie ou une explosion peut résulter entraînant des dégats matériels, des blessures ou la perte de la vie.

N'employez pas cet appareil si n'importe quelle partie a été sous-marine. Réclamez immédiatement un technicien de service professionnel qualifié et pour inspecter l'appareil et pour remplacer n'importe quelle partie du système de commande et de n'importe quelle commande de gaz qui a été sous l'eau.

Le Vrai-Fyre® système de brûleur a un pilote qui peut être allumé à la main en utilisant une allumette ou un allumeur. En allumant le pilote, suivez ces instructions exactement.

AVANT DE S'ALLUMER, sentez tous autour du secteur de brûleur pour le gaz. Soyez sûr de sentir à côté du plancher car un certain gaz est plus lourd que l'air et arrangerez sur le plancher. SI VOUS SENTEZ LE GAZ, SUIVEZ LES INSTRUCTIONS À LA P. 1.

Utilisez seulement votre main pour enfoncer ou pour tourner le bouton de commande de gaz. N'utilisez jamais les outils. Si le bouton n'enfoncera pas ou ne tournera pas à la main, n'essayez pas de le réparer. Appelez un technicien de service professionnel qualifié et. La force ou la réparation essayée peut avoir comme conséquence l'incendie ou l'explosion.

ALLUMER LE PILOTE

1. Tournez le bouton de commande d'Ignitor (Fig. 22-1) de la soupape de commande de brûleur au côté de la casserole de brûleur dans le sens contraire des aiguilles d'une montre de sorte que la partie de rétrécissement du bouton se déplace de la position de **OFF**, légèrement vers **IGN** jusqu'à atteindre l'arrêt.
2. Serrez le bouton de commande d'ignitor dedans et tenez dedans pendant 5 secondes (seulement le gaz pilote coulera).
3. Continuez d'enfoncer tout en tournant le dans le sens contraire des aiguilles d'une montre supplémentaire de bouton de commande d'ignitor, vers la position **PILOT**, jusqu'à ce que vous entendiez un clic. Le clic est une indication que l'ignitor de pizio a été activé.

Note: Si l'étincelle de l'ignitor de pizio n'allume pas le pilote, répétez les étapes 2 et 3 jusqu'au pilote lights.

4. Continuez à tenir le bouton de commande d'ignitor en position **PILOT** pour 60 secondes après que le pilote a été allumé pour permettre au thermocouple de détecter la flamme pilote.

Note: La flamme pilote devrait toujours être présent quand le système de brûleur est en fonction, et devrait juste envelopper le bout du thermocouple.

ALLUMAGE DU BRÛLEUR PRINCIPAL

1. Quand la flamme pilote est stable, libérez le bouton de commande d'ignitor et tournez-vous dans le sens contraire des aiguilles d'une montre vers la position de **ON** pour permettre le brûleur principal.
2. Tournez le bouton de commande de taille de flamme (Fig. 22-3) entièrement dans le sens contraire des aiguilles d'une montre pleinement la position de fonctionnement (Fig. 22-4) pour mettre à feu le brûleur chez BTUs maximum. Après que le brûleur principal mette à feu, ajustez la taille de flamme comme indiqué ci-dessous.

AJUSTEMENT DE LA TAILLE DE FLAMMET

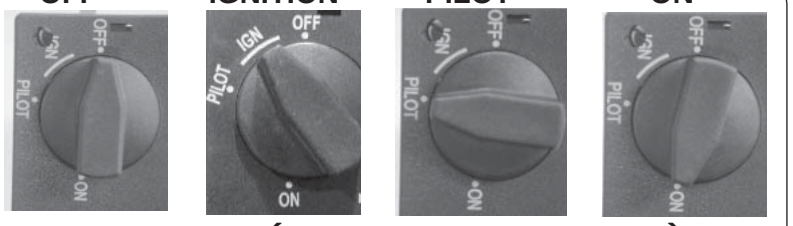
1. Pour ajuster la flamme, tournez le bouton de commande de taille de flamme (Fig. 22-3) dans le sens contraire des aiguilles d'une montre à la taille de flamme d'augmentation et dans le sens des aiguilles d'une montre à la taille de flamme de diminution jusqu'à ce que les flammes aient les caractéristiques désirées.
2. Quand vous êtes fini appréciant votre feu, tournez le bouton de commande de taille de flamme à **OFF**. Le pilote restera s'est allumé. Le système de brûleur peut être relit en tournant le bouton de commande de taille de flamme vers **ON**.

COUPER LE PILOTE

Si vous ne projetez pas sur employer votre système de brûleur pendant une période prolongée vous pouvez choisir de vous éteindre le pilote. Pour faire ceci, tournez le bouton de commande de taille de flamme jusqu à la position de **OFF** et puis tournez le bouton de commande d'ignitor jusqu à la position de **OFF** (Fig. 22-1).

Important: En fermant le système de brûleur complètement, tournez le bouton de control/ ignition à la position de repos (Fig. 22-1). Si vous désirez tourner l'unité en arrière dessus, attendez une minute au minimum avant de commencer le procédé de rallumer (ALLUMANT LE PILOTE). Ceci permet à la soupape de sûreté de remettre à zéro en vue de rallumer.

Si cette unité était embarquée avec un extérieur, ou si un système à distance était installé plus tard, lisez et suivez les instructions à distance séparées d'actionner le brûleur à distance.



POSITIONS D'OPÉRATION DE CLAPET À GAZ
Fig. 22-1

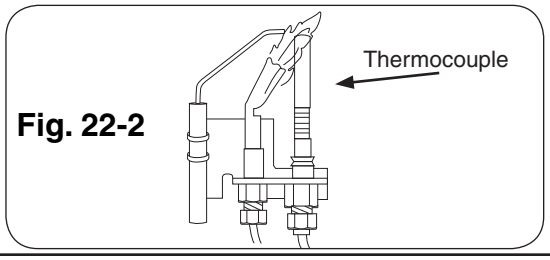


Fig. 22-2

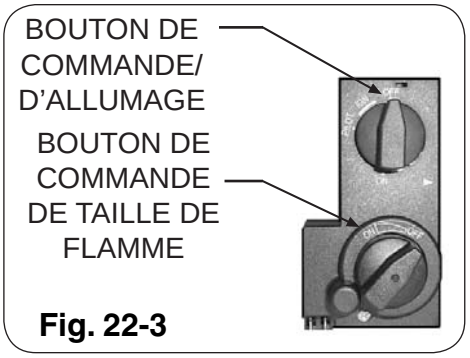


Fig. 22-3

BOUTON DE COMMANDE DE TAILLE DE FLAMME

OFF **Fig. 22-4** **ON**

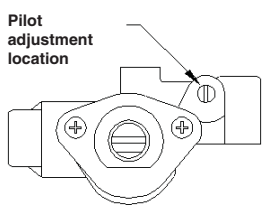
CHECKING PILOT FLAME APPEARANCE

The pilot burner is preset at the factory and should normally not require any adjustment. However, should adjustment be necessary, the following steps should be taken:

With the pilot burner lit and the control knob in the pilot position, remove heat shield covers. Adjust screw located on the control valve (see Fig. 23-1). Using a screwdriver, turn the pilot adjustment screw slowly clockwise to reduce the flame, or counterclockwise to increase the flame. The adjustment screw can be turned so that the pilot flame is completely extinguished. The pilot flame should be a quiet soft blue flame with yellow tipping that encircles the thermocouple tip.

Replace heat shield covers. Turn the control knob to the **ON** position to ensure proper ignition of log set.

Periodically check the pilot to verify that it is burning in proper alignment as indicated in the above paragraphs and in Fig. 23-1.



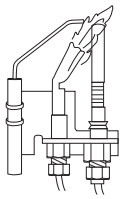
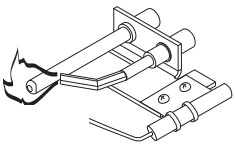


Fig. 23-1

Example of burner pilot flame with thermocouple



Example of burner pilot flame with thermopile

IMPORTANT

For all valves, the air **MUST** be purged from the gas line before the pilot will light properly. The time taken to do this will depend on the length of gas line from the meter to the unit and the length of time since the unit or gas line was last used (in the case of non-use during warm weather, for example). It may take from 3-10 minutes before all the air is purged and the pilot will light properly. To do this, use the method used for lighting the pilot, which varies depending on which valve is fitted to the unit. Follow the LIGHTING INSTRUCTIONS in this manual for method.

DAMPER CLAMP INSTRUCTIONS

The damper clamp with hex bolt (Fig. 23-2) is provided as a means to prevent full closure of the damper blade. The clamp is easily attached to most damper blades with pliers or a wrench, and must be permanently installed. The clamp is designed to prevent accidental closure of the damper when installed as illustrated (Fig. 23-3 and Fig. 23-4). The chimney damper must be fixed in a manner to maintain the permanent free opening (as specified in the section entitled MINIMUM PERMANENT FREE VENT OPENING AREA OF CHIMNEY DAMPER) at all times. Should the clamp not fit, or fail to provide the permanent vent opening listed in the table found on p. 5, have a permanent stop installed, remove the damper blade, or have the damper cut to provide the minimum permanent opening required.

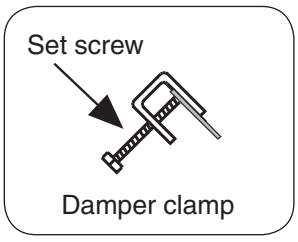
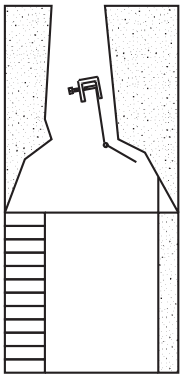
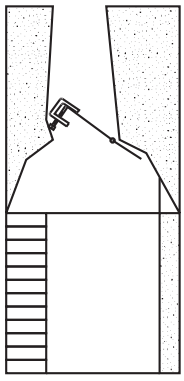


Fig. 23-2



Open

Fig. 23-3



Closed

Fig. 23-4

TROUBLESHOOTING

POSSIBLE CAUSE	SOLUTIONS
1 BURNER SHUTTING DOWN DURING OPERATION	
A. Insufficient or excessive gas pressure	**A1.** Check gas pressure (check with local gas company). For natural gas, pressure must be minimum 5" w.c. at fireplace with burner operating. Maximum inlet gas pressure is 10.5" w.c. Reading at inlet pressure tap (farthest to valve inlet) on remote valves' burners should be 5" w.c. (minimum). With the knob on high, maximum inlet pressure is 10.5" w.c. **A2.** Other gas appliances may be on the same gas line, dropping gas pressure to log set. Check pressures with everything operating to ensure adequate pressure.
B. Log placement	**B.** Reference the LOG PLACEMENT section in this manual for recommended log positioning.
C. Flue area, fireplace, or damper dirty from soot	**C.** Clean around, above, and under damper thoroughly. Clean fireplace, removing loose material, including soot and creosote.
D. Fireplace too small for unit	**D.** Ensure minimum requirements are met. (See FIREPLACE SIZE REQUIREMENT section in this owner's manual.)
E. Pilot flame lifting off thermocouple/generator	**E.** Check gas pressure (see section A1).
F. Pilot (remote compatible)	**F.** Contact your dealer for instructions on replacement.
2 PILOT WILL NOT LIGHT	
A. Pilot flame lifting off thermocouple/generator	**A.** Check gas pressure.
B. Piezo spark not lighting pilot	**B.** Check to make sure piezo is sparking when activated. **Note:** You may need to turn or press ignitor several times to ignite pilot. See LIGHTING INSTRUCTIONS for your control valve.
C. Ignitor electrode wire loose	**C.** Check wiring and reconnect any loose wiring.
D. Gas supply off/manual shutoff valve closed	**D.** Turn on gas supply or open manual shutoff valve.
E. Air in gas line	**E.** Hold control knob in to bleed the line and repeat LIGHTING INSTRUCTIONS until air is removed.
3 LOW FLAME HEIGHT	
A. Gas pressure	**A.** Check gas pressure.
B. Propane tank running low	**B.** Fill tank completely.
4 BURNER NOT BURNING EVENLY	
A. Burner orifice clogged	**A.** Clean burner orifice.
5 ODORS	
A. Gas leak	**A.** Shut off gas, if possible. Follow instructions on front page. Have a qualified professional installer or the gas company correct all leaks.
B. New home, new carpet, or new paint	**B.** When these odors are drawn into the fireplace, this may cause objectionable odors. Thoroughly ventilate the area before restarting your log set.

TROUBLESHOOTING (Cont.)

POSSIBLE CAUSE	SOLUTIONS
6 SOOTING	
A. On logs, in firebox, or room	**A.** Check gas pressure.
B. Drafts in room	**B.** Eliminate drafts by closing heating and air conditioning vents, returns, and outside air vents. Fans blowing directly into fireplace should be turned off when set is operating.
C. Air shutters blocked	**C.** Air shutters are blocked with debris. Vacuum debris away from air shutter.
D. Log placement	**D.** See solution in troubleshooting 1B.
E. Using natural-gas burner on propane gas or propane burner on natural gas	**E.** If the gas listed on the nameplate does not match the gas you are burning, shut down the burner system immediately and completely (including pilot) following the steps in the LIGHTING INSTRUCTIONS section. Then call your dealer.
F. Adding any accessories to log sets	**F.** Shut down log set and take off any logs or accessories that do not belong with the set.
7 PILOT WILL NOT STAY LIT WHEN KNOB IS RELEASED	
A. Valve won't hold	**A.** Contact your dealer for instructions on replacement.

FLAME DESCRIPTION

Observe the flames. The main burner flames should be blue at the base and a combination of blue/yellow at the body and at the tips. They should be 5" to 8" above the logs, with the center flame being the tallest (see cover photo). The ember flames should be 1/4" above the embers.

AVAILABLE ACCESSORIES FOR THE GAS BURNER SYSTEM

The following accessories are available for burner systems as indicated, and can be purchased separately from your local Peterson Real-Fyre® dealer. Before purchasing, make sure the accessory you desire is compatible with your specific model (for example, VR-2A is used with the Series 15 systems). **To install and operate any accessory, simply follow the instructions supplied with your accessory kit.**

Note: Photos not to scale

FOR SERIES 15: REMOTE TRANSMITTERS AND RECEIVERS

FOR VARIABLE FLAME-HEIGHT CONTROL (FOR USE WITH SERIES 15 VALVES) AND FOR NATURAL OR PROPANE GAS

VR-2A

Transmitter handset, receiver, handset holder, wall switch, and wiring

VR-1A

Transmitter handset, receiver, handset holder, and wiring

RVF-1

Transmitter handset, receiver, and wiring

FOR SERIES 15: WS-3 WALL SWITCH

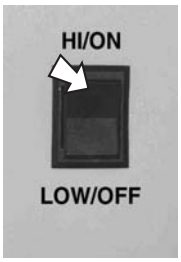
THE WS-3 SWITCH OPERATES FLAME-HEIGHT CONTROL KNOB ON SERIES 15 VALVES

Switch to valve wiring

Cover screws

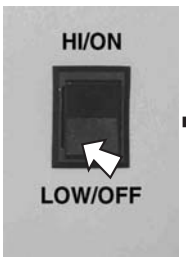
Wall switch cover

Battery holder



Press HI/ON to turn unit on or increase flame height.

Flame-height control knob will rotate counterclockwise.



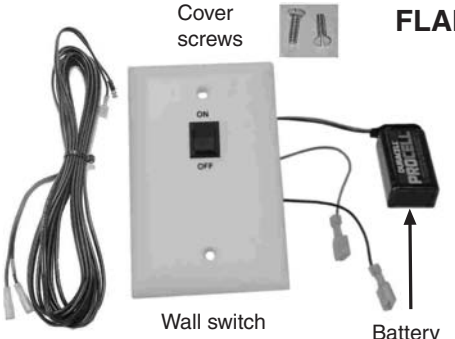
Press LOW/OFF to decrease flame height or turn unit off.

Flame-height control knob will rotate clockwise.

FOR SERIES 16: WS-4 WALL SWITCH

THE WS-4 SWITCH OPERATES THE FLAME-HEIGHT CONTROL KNOB

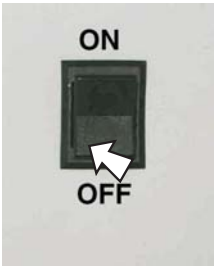
Cover screws



Switch to valve wiring

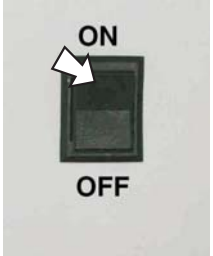
Wall switch cover

Battery holder



Press **OFF** to extinguish the main burner.

Press **ON** to ignite the main burner.



AVAILABLE ACCESSORIES FOR THE GAS BURNER SYSTEM (Cont.)

FOR SERIES 01, 10, 11, and 12: ON/OFF REMOTES AND RECEIVERS

BATTERY-OPERATED REMOTE LIGHTING SYSTEMS FOR USE WITH NATURAL OR PROPANE GAS

RR-2A

Transmitter handset, receiver, handset holder, wall switch, and wiring

RR-1A

Transmitter handset, receiver, wall switch, and wiring

RUS-1

Transmitter handset, receiver

PC-105/PC-106 PINE CONE REMOTE

BATTERY-OPERATED REMOTE LIGHTING SYSTEM WITH DECORATIVE PINE CONE RECEIVER FOR USE WITH NATURAL OR PROPANE GAS

PC-105 Remote transmitter (for use with Series 01, 10, 11, and 12)

Pine cone receiver

PC-106 Remote transmitter (for use with Series 16)

FOR SERIES 01, 10, 11, and 12: WS-1 AND WS-2 WALL SWITCHES

WS-1 SWITCH: CONTROLS BURNER SYSTEM LIGHTING AND SHUTDOWN
WS-2 TIMER WALL SWITCH: CONTROLS OPERATING TIME (UP TO 60 MIN.)

Wall switch (WS-1)

Mechanical timer (WS-2)

WARRANTY

PETERSON VENTED GAS LOG SETS
LIMITED WARRANTY

All Peterson gas logs are **WARRANTED for as long as you own them (lifetime).**

All Peterson burner assemblies are **WARRANTED for TEN (10) YEARS.**

SPK-26 controls are covered by a **THREE (3) YEAR "All Parts" Warranty.**

All other Peterson valves, pilots, and controls are covered by a **ONE (1) YEAR Limited Warranty (excluding batteries).**

PLEASE KEEP A COPY OF YOUR SALES SLIP FOR PROOF OF PURCHASE

This warranty applies to the original purchaser and to single family residential use only. It commences from date of purchase, and is valid only with proof of purchase.

This warranty does not cover parts becoming defective through misuse, accidental damage, electrical damage, improper handling, storage, and/or installation. Product must be installed (and gas must be connected) as specified in the instructions or operator's manual, by a **qualified professional installer.** Accessories, parts, valves, remotes, etc., when used must be Peterson Co. product.

This warranty **does not** apply to rust, corrosion, oxidation, or discoloration, unless the affected component becomes inoperable. It **does not** cover labor or labor-related charges.

This warranty specifically excludes liability for **indirect, incidental,** or consequential damages. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above exclusion may not apply to you. This warranty gives you specified legal rights, and you may have other rights that may vary from state to state.

For additional information regarding this warranty, or to place a warranty claim, contact the R.H. Peterson dealer where the product was purchased.

FOR USE IN THE COMMONWEALTH OF MASSACHUSETTS

INSTALLATION OF THIS APPLIANCE MUST BE PERFORMED BY A MASSACHUSETTS LICENSED PLUMBER OR GAS FITTER ONLY.

CONNECTOR KITS USED FOR INSTALLATION AND OPERATION OF THIS APPLIANCE MUST NOT BE MORE THAN 36" IN LENGTH.

FIREPLACE DAMPER MUST BE REMOVED OR PERMANENTLY FIXED/WELDED IN FULL OPEN POSITION PRIOR TO INSTALLING THIS PRODUCT.

ROBERT H. PETERSON CO.

Quality Check **Date:**_____

Orifice # (Main):_____
Orifice # (Other):_____ **Model #:** _____
Leak Test: _____ **Serial #:** _____
Burn Test: _____ **Air Shutter:** _____
Gas Type: NAT. / PROPANE **Inspector:** _____